

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012821\
 Data File : VD068225.D
 Acq On : 28 Jan 2021 16:07
 Operator : VA/SY
 Sample : M1253-07
 Misc : 5.66G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VNJ-229

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
 Title : SW846 8260

Signal : TIC: VD068225.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.720	468	476	489	rBV2	15342	47611	1.46%	0.508%
2	5.191	543	556	570	rBV2	18476	78052	2.40%	0.833%
3	7.197	886	897	909	rBV	158158	446010	13.70%	4.763%
4	7.920	1011	1020	1025	rBV2	71844	170794	5.25%	1.824%
5	7.985	1025	1031	1042	rVB	118811	264802	8.13%	2.828%
6	8.338	1082	1091	1099	rVB3	81162	187225	5.75%	1.999%
7	8.867	1173	1181	1191	rBV	195746	387055	11.89%	4.133%
8	10.344	1424	1432	1439	rBV	263970	485855	14.92%	5.188%
9	10.408	1439	1443	1449	rVB	24336	40124	1.23%	0.428%
10	11.644	1645	1653	1664	rVB	215339	395588	12.15%	4.224%
11	11.855	1680	1689	1699	rBV5	25910	58205	1.79%	0.622%
12	12.032	1713	1719	1724	rBV2	39232	64605	1.98%	0.690%
13	12.196	1733	1747	1752	rBV8	30434	98929	3.04%	1.056%
14	12.402	1779	1782	1790	rVB3	25253	41048	1.26%	0.438%
15	12.491	1790	1797	1804	rBV2	31152	62579	1.92%	0.668%
16	12.632	1816	1821	1831	rVB	143174	239542	7.36%	2.558%
17	12.949	1869	1875	1884	rVV4	69156	168723	5.18%	1.802%
18	13.055	1888	1893	1898	rVB3	20283	33224	1.02%	0.355%
19	13.232	1919	1923	1926	rBV	35398	49647	1.52%	0.530%
20	13.485	1959	1966	1974	rVV	2028155	3255586	100.00%	34.765%
21	13.573	1976	1981	1990	rVB2	112834	219394	6.74%	2.343%
22	13.667	1990	1997	2003	rBV3	29314	69441	2.13%	0.742%
23	13.896	2031	2036	2041	rBV2	118478	187280	5.75%	2.000%
24	14.114	2069	2073	2086	rVB2	37262	104032	3.20%	1.111%
25	14.226	2086	2092	2096	rBV6	30647	62510	1.92%	0.668%
26	14.285	2096	2102	2107	rBV7	45834	83252	2.56%	0.889%
27	14.361	2108	2115	2118	rBV9	23202	58103	1.78%	0.620%
28	14.408	2118	2123	2125	rVV3	71637	116183	3.57%	1.241%
29	14.438	2125	2128	2133	rVB3	79081	135636	4.17%	1.448%
30	14.543	2139	2146	2147	rBV	71967	108123	3.32%	1.155%
31	14.755	2178	2182	2188	rVB4	39133	64650	1.99%	0.690%
32	14.826	2188	2194	2198	rBV5	63868	160256	4.92%	1.711%
33	14.879	2199	2203	2209	rVB4	72568	130604	4.01%	1.395%
34	15.032	2219	2229	2236	rBV4	144260	404231	12.42%	4.317%
35	15.096	2237	2240	2245	rVB2	82413	128184	3.94%	1.369%
36	15.155	2247	2250	2252	rBV2	49444	59047	1.81%	0.631%

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Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
Title : SW846 8260

37	15.443	2293	2299	2306	rBV5	101260	250002	7.68%	2.670%
38	16.690	2506	2511	2525	rVB9	152749	448514	13.78%	4.789%

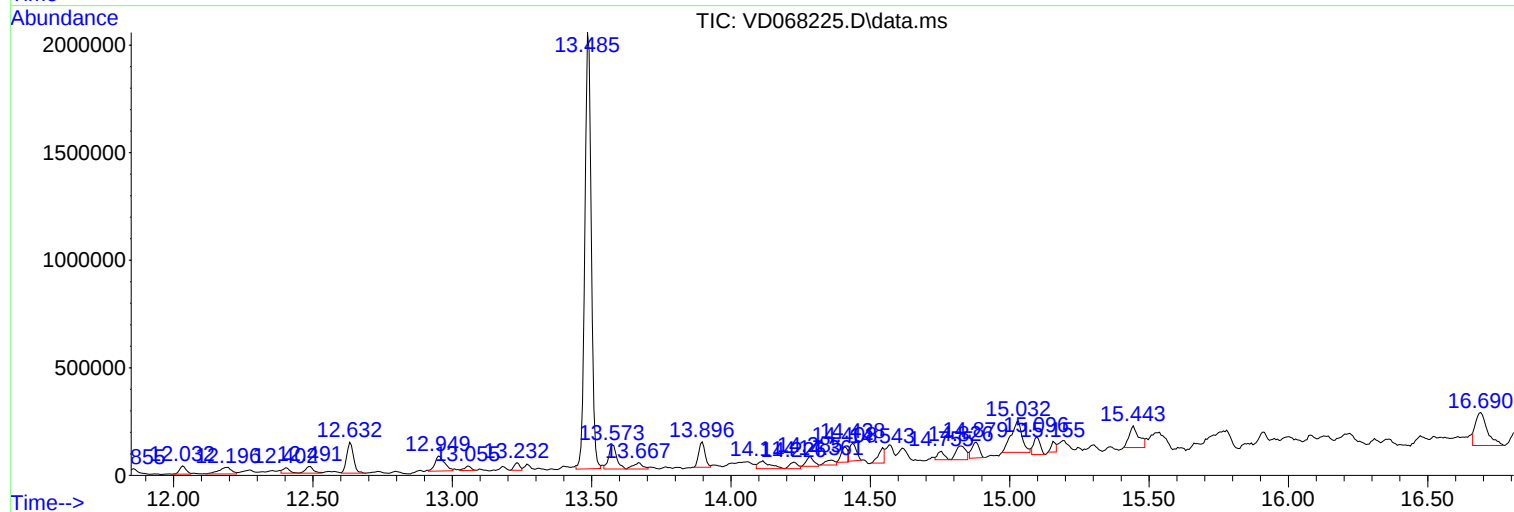
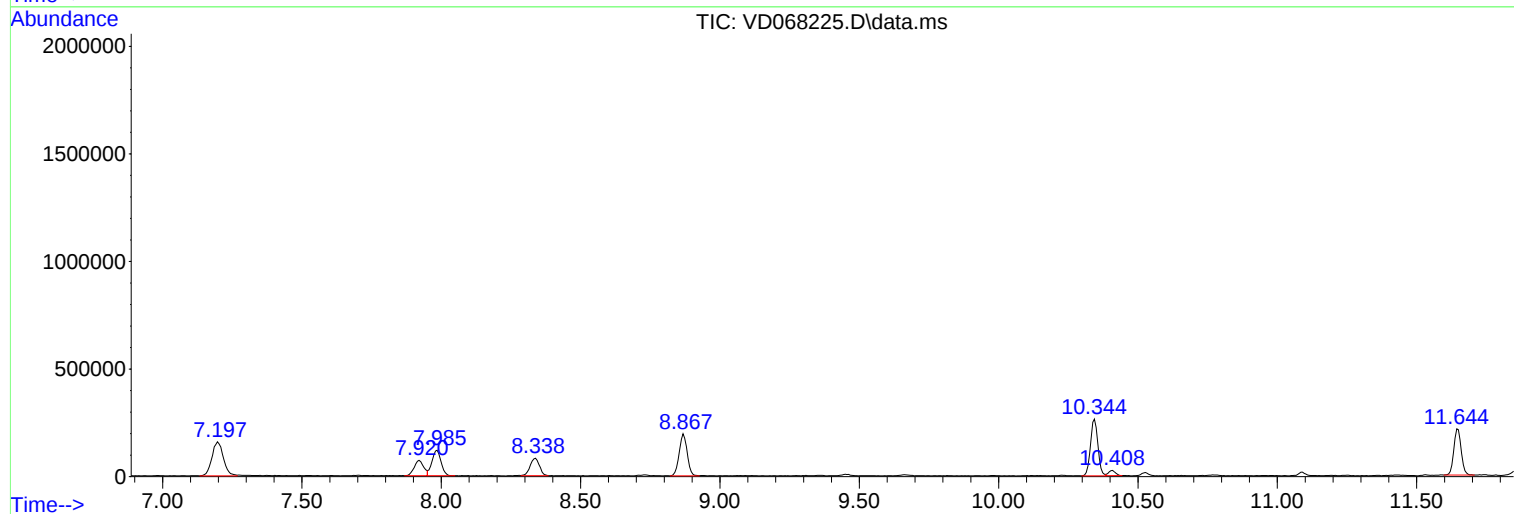
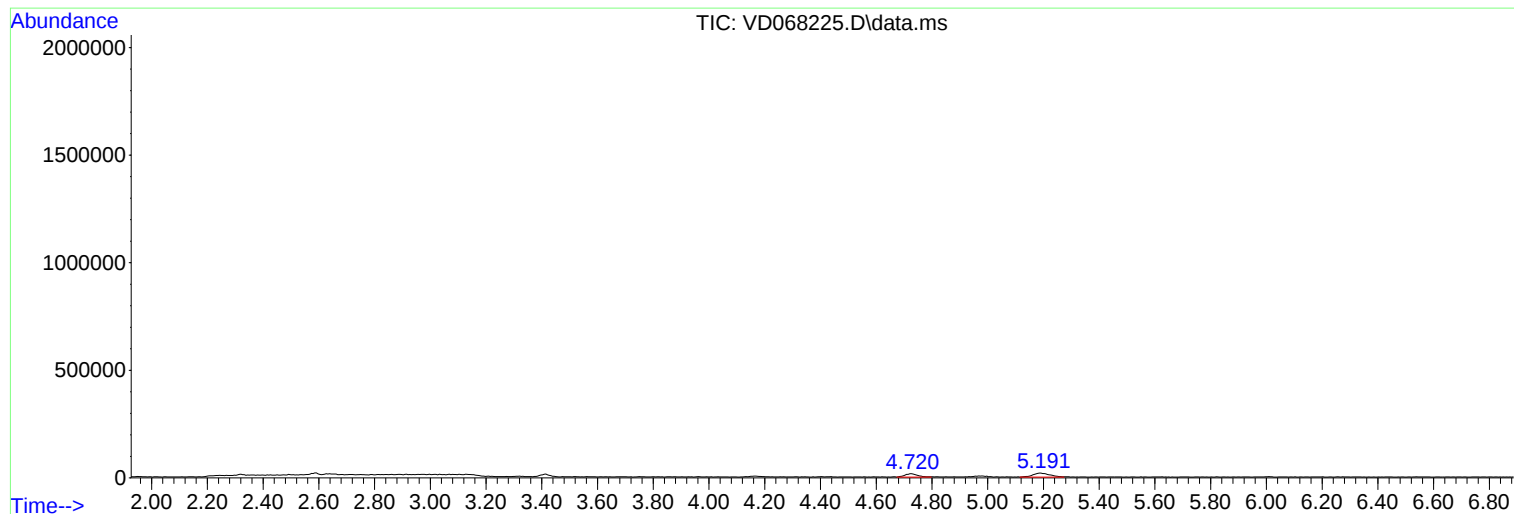
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P



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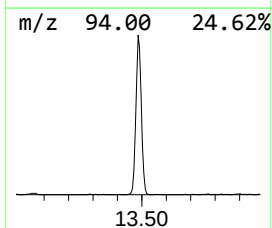
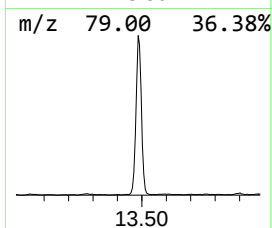
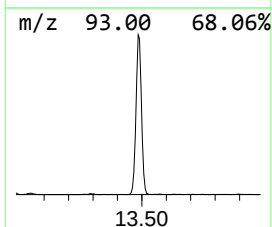
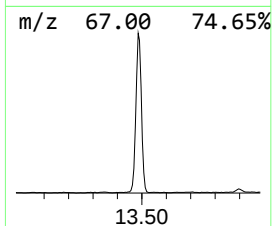
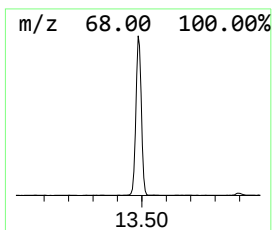
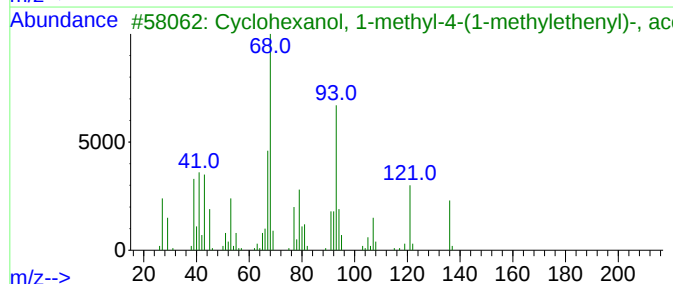
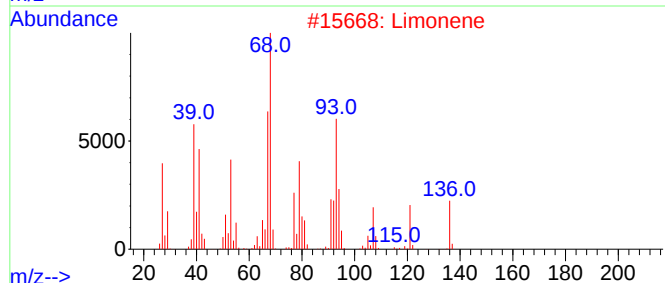
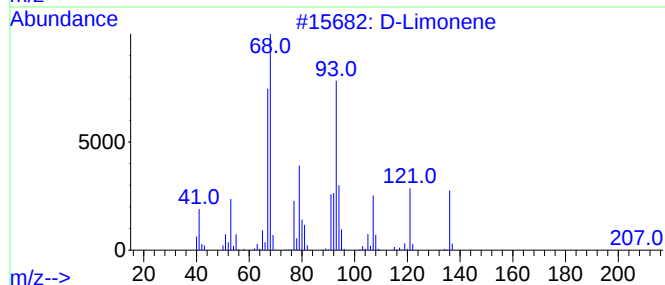
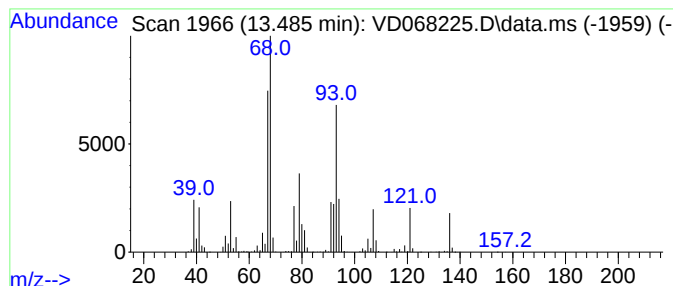
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 D-Limonene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.485	741.95 ug/l	3255590	1,4-Dichlorobenzene-d4	13.573

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			D-Limonene	136	C10H16	005989-27-5	98
2			Limonene	136	C10H16	000138-86-3	94
3			Cyclohexanol, 1-methyl-4-(1-meth...	196	C12H20O2	010198-23-9	80
4			Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	005989-54-8	68
5			Cyclohexene, 4-ethenyl-1,4-dimet...	136	C10H16	001743-61-9	64



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Misc : 5.66G/5.00ml/MSVOA_D/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VNJ-229

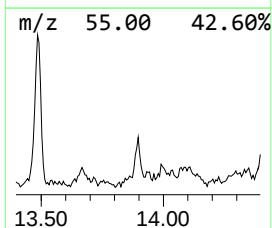
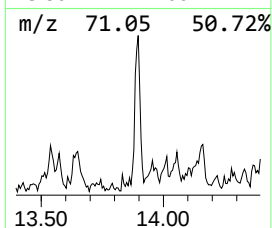
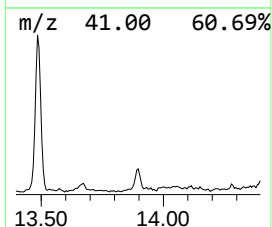
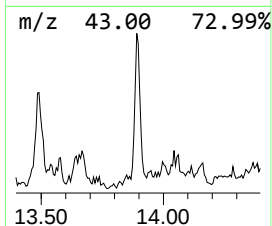
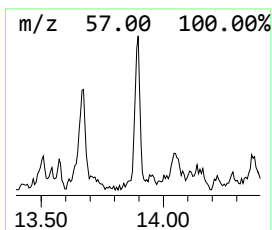
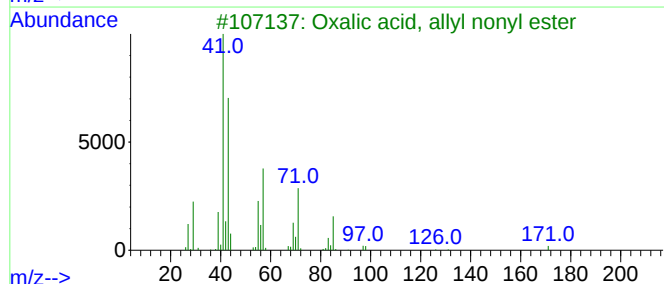
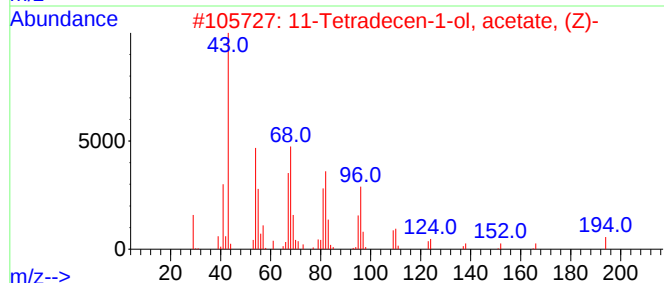
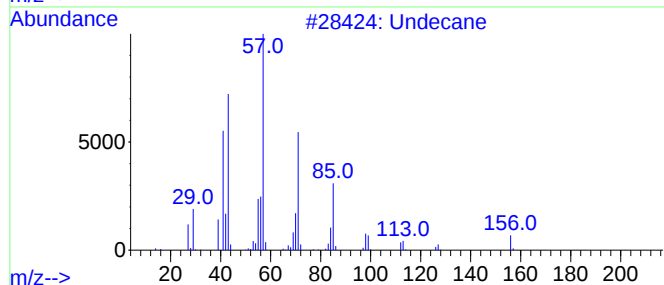
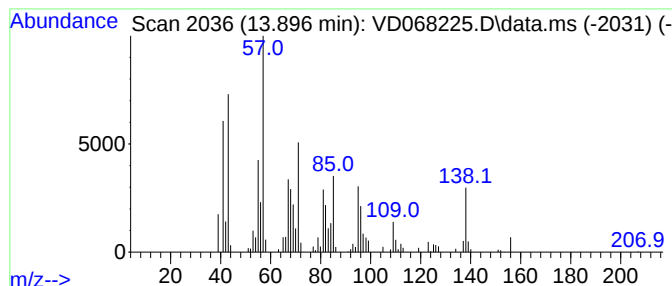
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 unknown13.896 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.896	42.68 ug/l	187280	1,4-Dichlorobenzene-d4	13.573

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Undecane	156	C11H24	001120-21-4	42
2			11-Tetradecen-1-ol, acetate, (Z)-	254	C16H30O2	020711-10-8	27
3			Oxalic acid, allyl nonyl ester	256	C14H24O4	1000309-23-7	25
4			Cyclononane, 2-hydroxy-	156	C9H16O2	000496-83-3	25
5			2-Propanone, 1-cyclohexylidene-	138	C9H14O	000874-68-0	25



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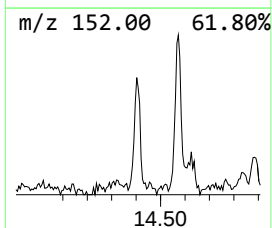
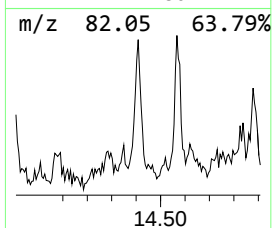
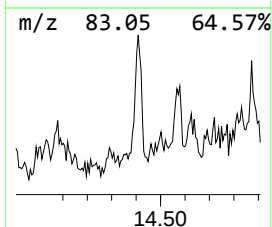
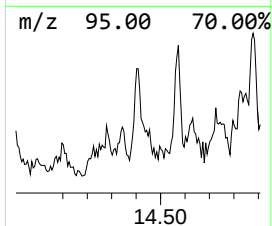
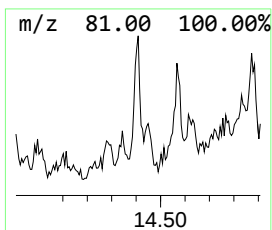
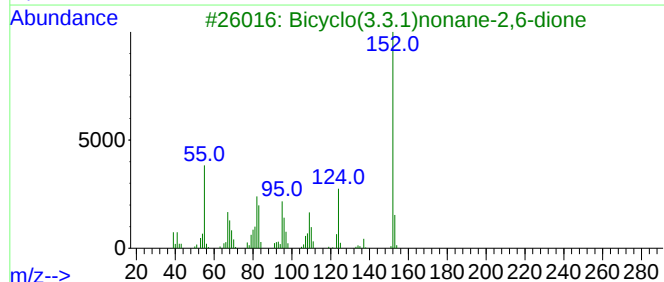
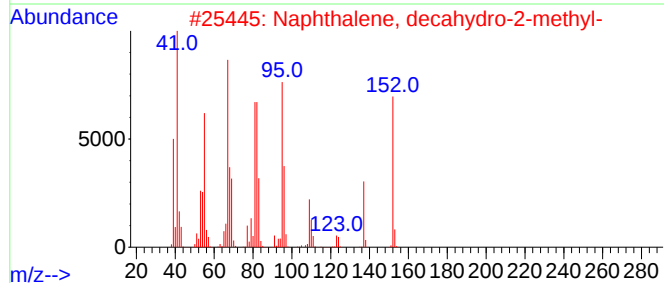
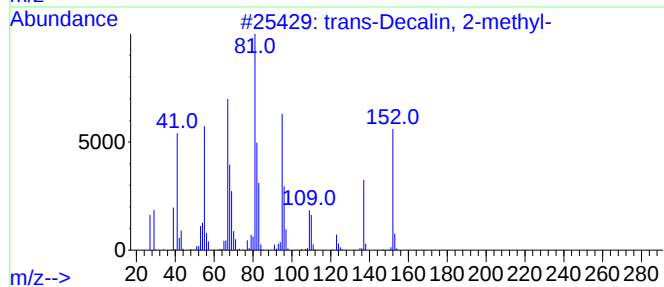
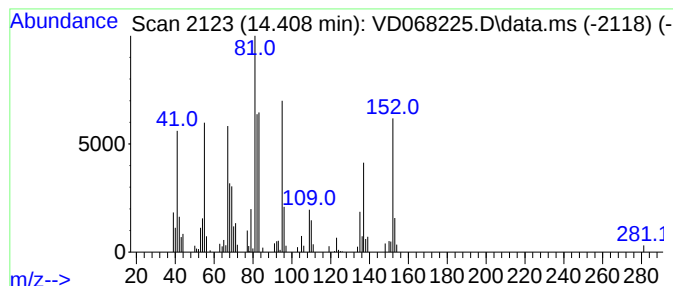
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 trans-Decalin, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.408	26.48 ug/l	116183	1,4-Dichlorobenzene-d4	13.573

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	64
2			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	43
3			Bicyclo(3.3.1)nonane-2,6-dione	152	C9H12O2	016473-11-3	43
4			Diisopropylaminoacrylonitril	152	C9H16N2	038691-28-0	38
5			1H-Pyrrole, 1-pentyl-	137	C9H15N	000699-22-9	30



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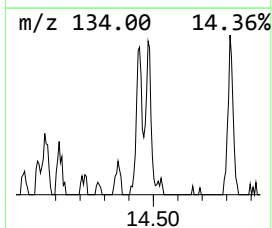
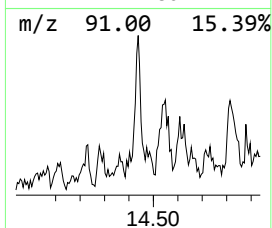
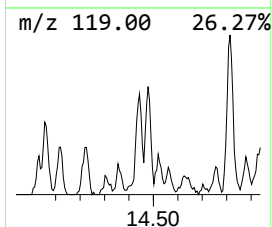
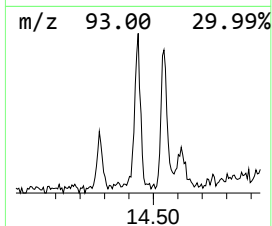
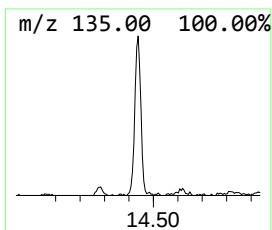
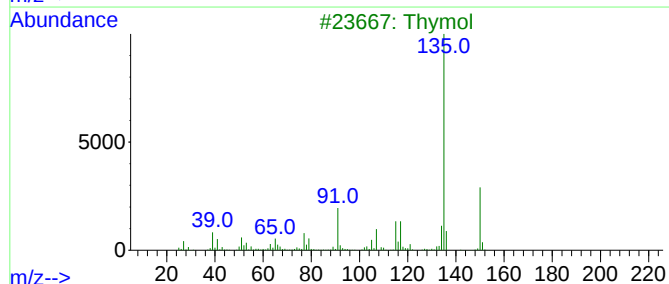
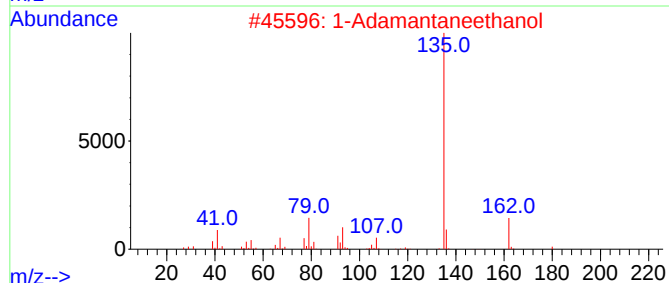
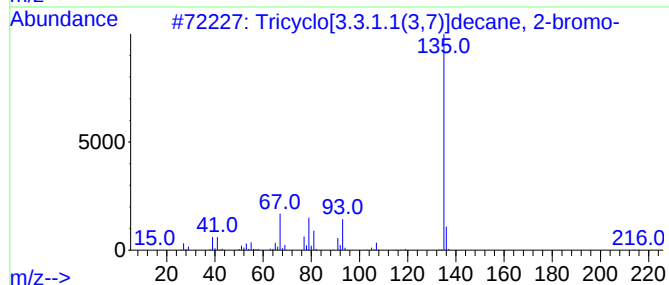
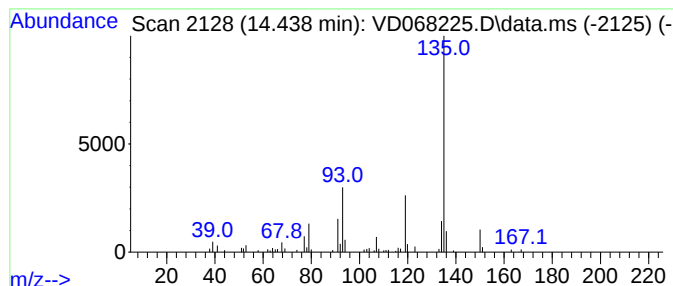
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Tricyclo[3.3.1.1(3,7)]decan... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.438	30.91 ug/l	135636	1,4-Dichlorobenzene-d4	13.573

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tricyclo[3.3.1.1(3,7)]decane, 2-...	214	C10H15Br	007314-85-4	53
2			1-Adamantaneethanol	180	C12H20O	006240-11-5	50
3			Thymol	150	C10H14O	000089-83-8	50
4			Phenol, 2-methyl-5-(1-methylethyl)-	150	C10H14O	000499-75-2	50
5			3-Methyl-4-isopropylphenol	150	C10H14O	003228-02-2	50



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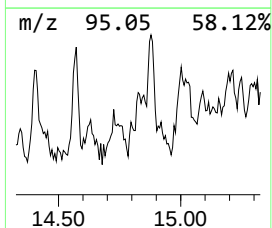
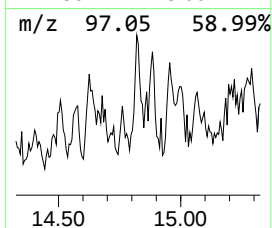
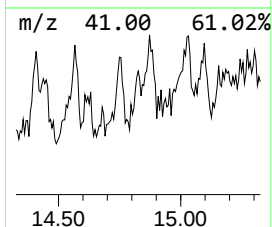
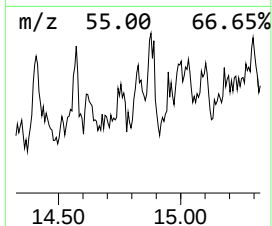
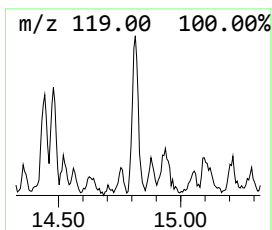
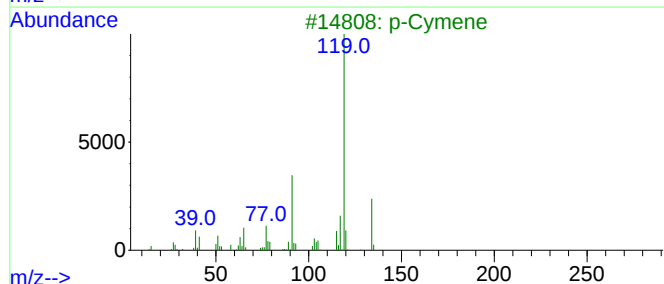
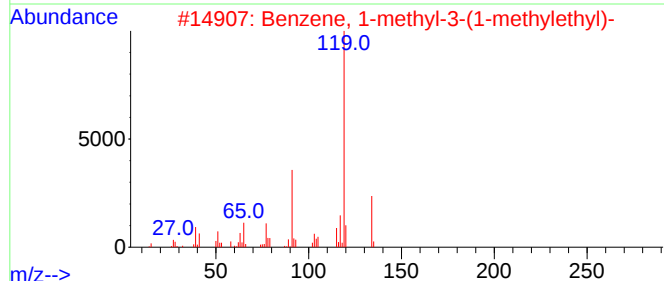
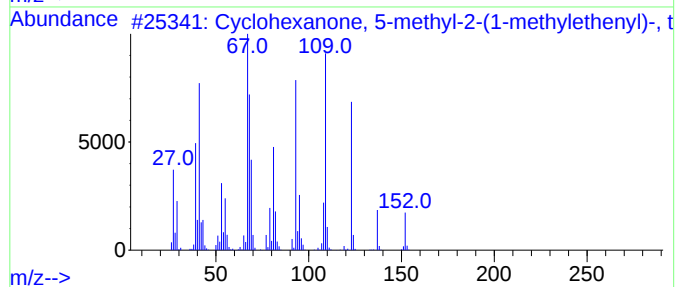
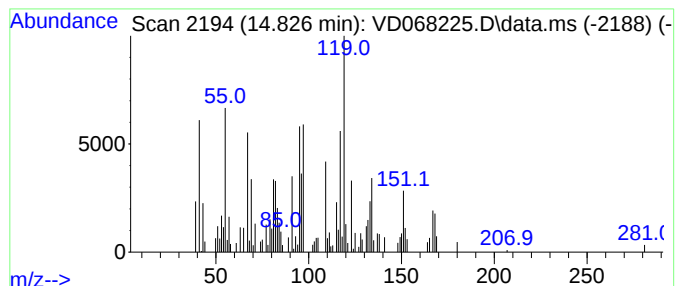
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 unknown14.826 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.826	36.52 ug/l	160256	1,4-Dichlorobenzene-d4	13.573

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	029606-79-9	25
2			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	20
3			p-Cymene	134	C10H14	000099-87-6	20
4			o-Cymene	134	C10H14	000527-84-4	20
5			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	20



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012821\
Data File : VD068225.D
Acq On : 28 Jan 2021 16:07
Operator : VA/SY
Sample : M1253-07
Misc : 5.66G/5.00ml/MSVOA_D/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VNJ-229

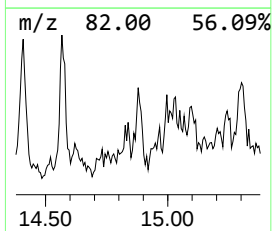
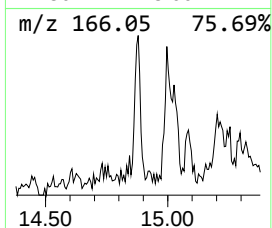
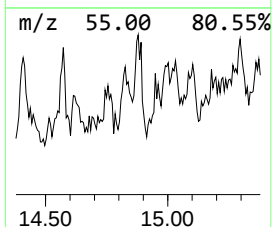
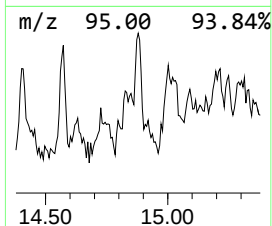
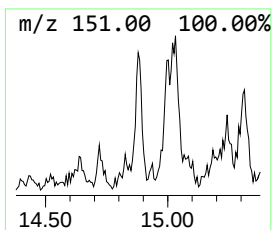
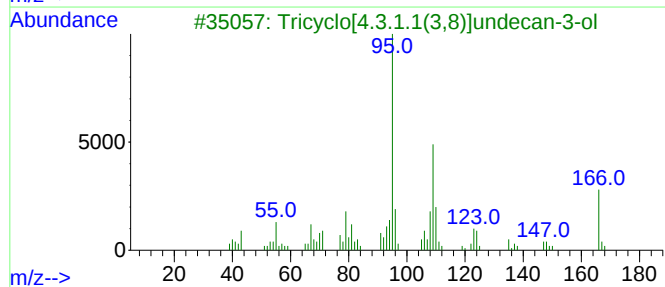
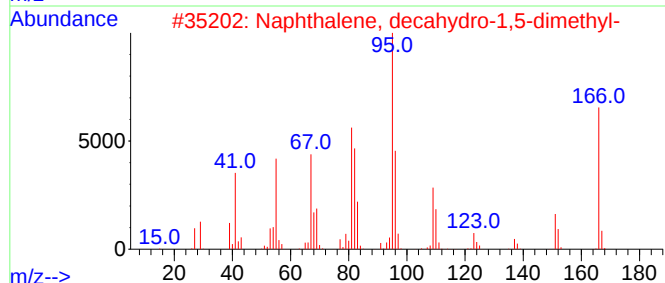
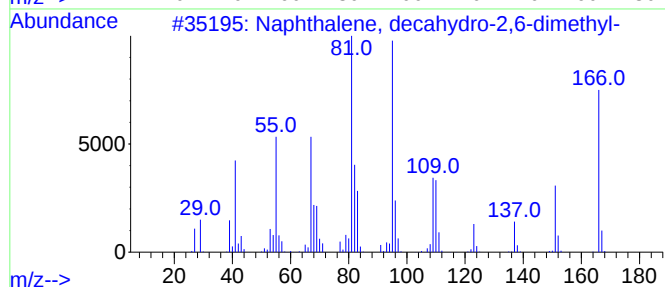
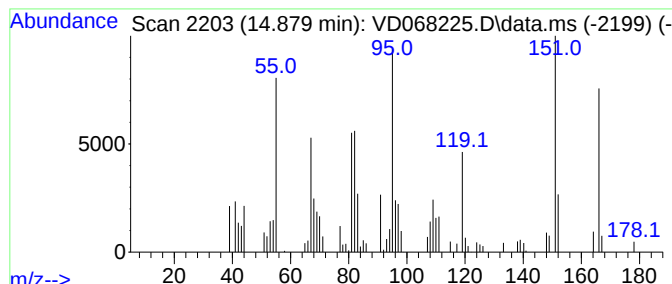
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Naphthalene, decahydro-2,6-... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.879	29.76 ug/l	130604	1,4-Dichlorobenzene-d4	13.573

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, decahydro-2,6-dimet...	166	C12H22	001618-22-0	60
2			Naphthalene, decahydro-1,5-dimet...	166	C12H22	066552-62-3	60
3			Tricyclo[4.3.1.1(3,8)]undecan-3-ol	166	C11H18O	014504-80-4	42
4			Ethanone, 1-(2-hydroxy-5-methoxy...	166	C9H10O3	000705-15-7	30
5			Cyclododecene, (E)-	166	C12H22	001486-75-5	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012821\
Data File : VD068225.D
Acq On : 28 Jan 2021 16:07
Operator : VA/SY
Sample : M1253-07
Misc : 5.66G/5.00ml/MSVOA_D/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VNJ-229

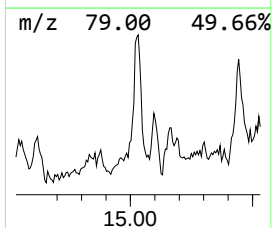
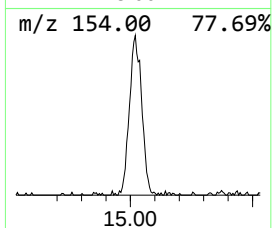
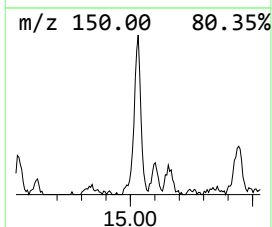
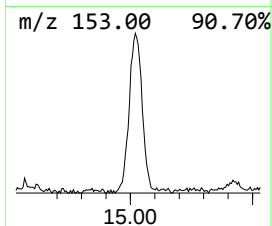
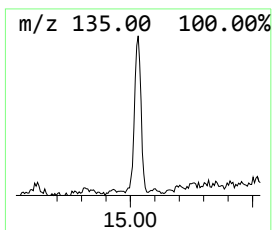
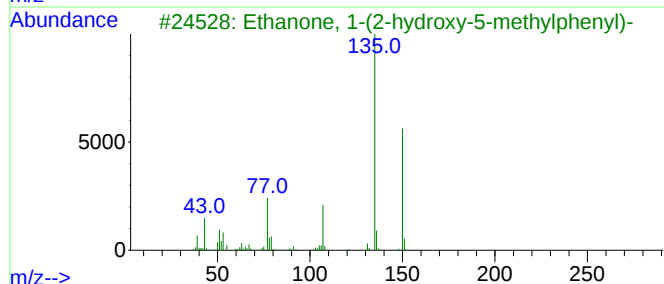
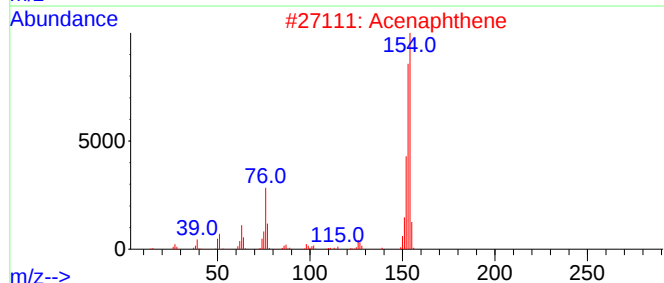
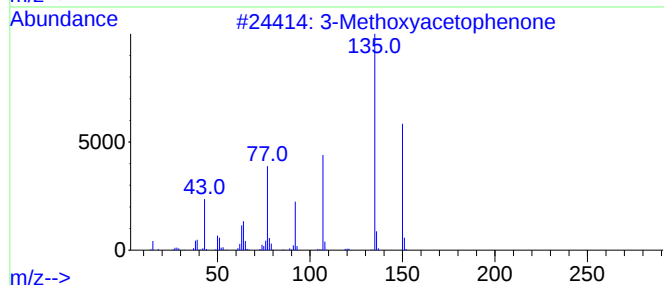
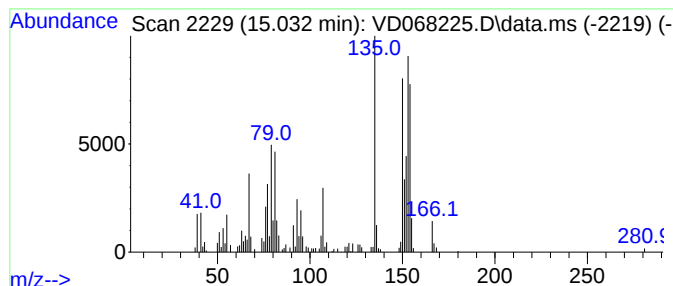
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 unknown15.032 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.032	92.12 ug/l	404231	1,4-Dichlorobenzene-d4	13.573

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3-Methoxyacetophenone	150	C9H10O2	000586-37-8	42
2			Acenaphthene	154	C12H10	000083-32-9	42
3			Ethanone, 1-(2-hydroxy-5-methylp...	150	C9H10O2	001450-72-2	42
4			Phenol, m-tert-butyl-	150	C10H14O	000585-34-2	38
5			Cyclohexene, 2-ethenyl-1,3,3-tri...	150	C11H18	005293-90-3	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012821\
Data File : VD068225.D
Acq On : 28 Jan 2021 16:07
Operator : VA/SY
Sample : M1253-07
Misc : 5.66G/5.00ml/MSVOA_D/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampled :
VNJ-229

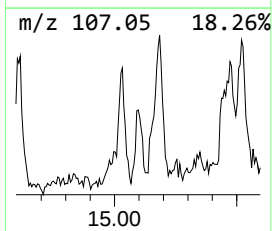
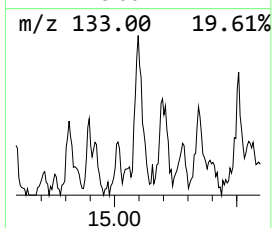
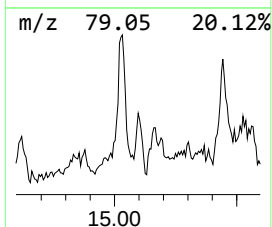
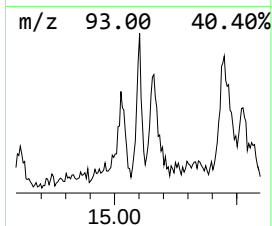
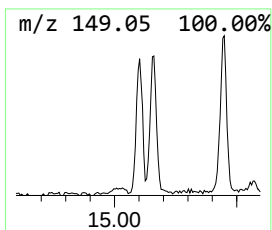
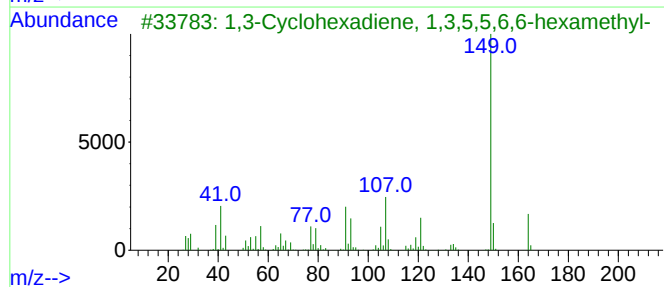
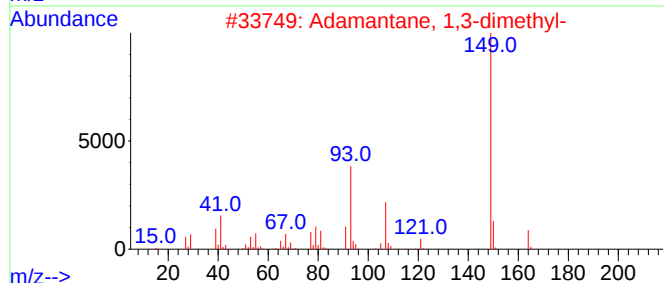
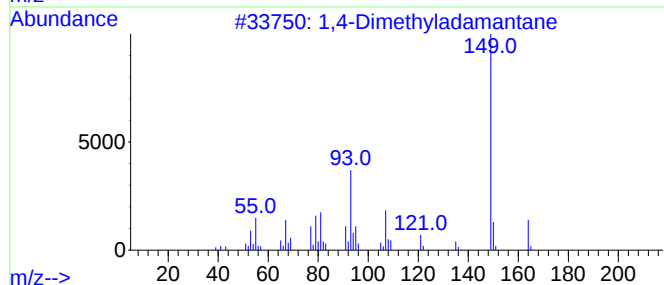
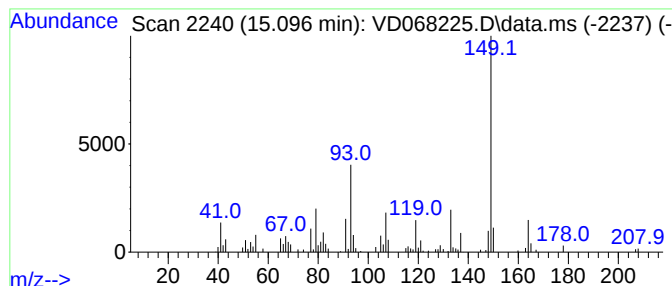
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 1,4-Dimethyladamantane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.096	29.21 ug/l	128184	1,4-Dichlorobenzene-d4	13.573

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,4-Dimethyladamantane	164	C12H20	024145-89-9	70
2			Adamantane, 1,3-dimethyl-	164	C12H20	000702-79-4	64
3			1,3-Cyclohexadiene, 1,3,5,5,6,6-...	164	C12H20	1000150-39-4	53
4			3-Methyl-1-adamantaneacetic acid	208	C13H20O2	014202-13-2	43
5			Benzene, 1-methoxy-4-methyl-2-(1...	164	C11H16O	031574-44-4	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012821\
Data File : VD068225.D
Acq On : 28 Jan 2021 16:07
Operator : VA/SY
Sample : M1253-07
Misc : 5.66G/5.00ml/MSVOA_D/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VNJ-229

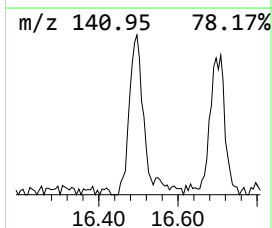
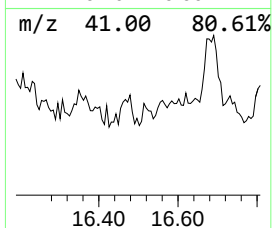
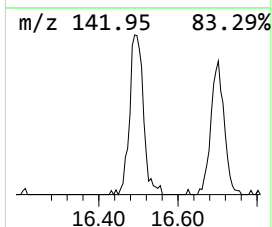
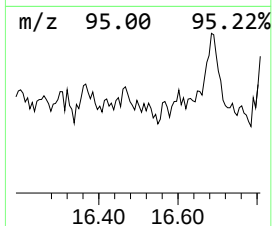
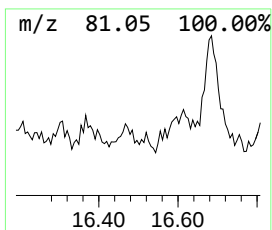
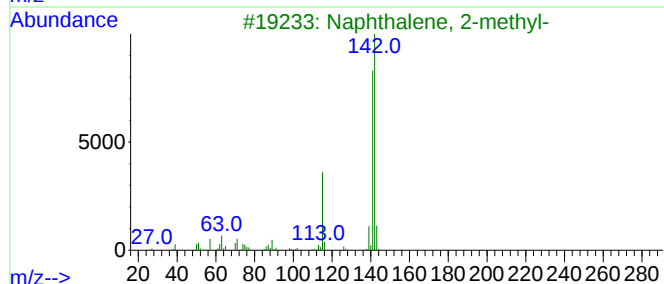
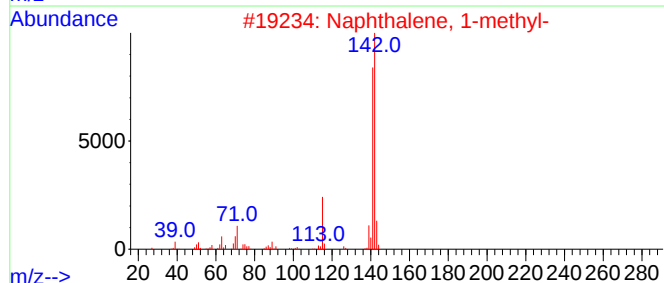
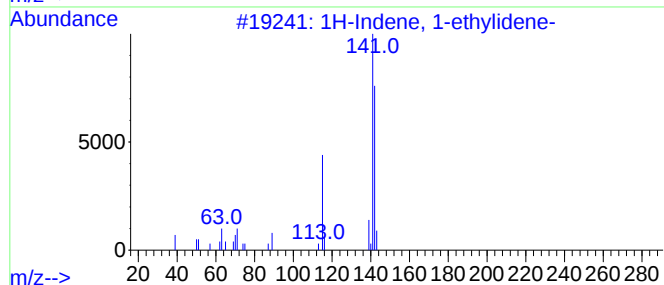
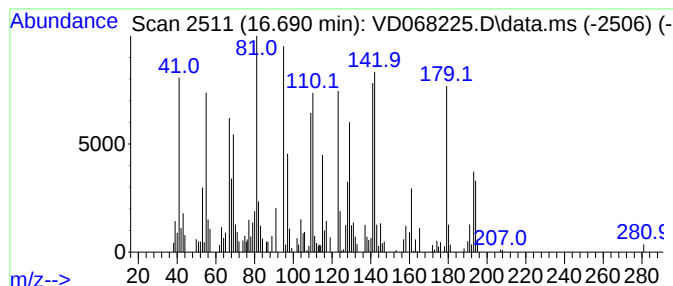
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 unknown16.690 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.690	102.22 ug/l	448514	1,4-Dichlorobenzene-d4	13.573

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	25
2			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	25
3			Naphthalene, 2-methyl-	142	C11H10	000091-57-6	15
4			2,4-Hexadiene, 3,4-dimethyl-, (Z...	110	C8H14	021293-01-6	15
5			Cyclohexene, 1,2-dimethyl-	110	C8H14	001674-10-8	15



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012821\
Data File : VD068225.D
Acq On : 28 Jan 2021 16:07
Operator : VA/SY
Sample : M1253-07
Misc : 5.66G/5.00ml/MSVOA_D/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VNJ-229

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
D-Limonene	13.485	742.0	ug/l	3255590	4	13.573	219394	50.0
unknown13.896	13.896	42.7	ug/l	187280	4	13.573	219394	50.0
trans-Decalin, ...	14.408	26.5	ug/l	116183	4	13.573	219394	50.0
Tricyclo[3.3.1....	14.438	30.9	ug/l	135636	4	13.573	219394	50.0
unknown14.826	14.826	36.5	ug/l	160256	4	13.573	219394	50.0
Naphthalene, de...	14.879	29.8	ug/l	130604	4	13.573	219394	50.0
unknown15.032	15.032	92.1	ug/l	404231	4	13.573	219394	50.0
1,4-Dimethylada...	15.096	29.2	ug/l	128184	4	13.573	219394	50.0
unknown16.690	16.690	102.2	ug/l	448514	4	13.573	219394	50.0